

ABSTRACT

A continuously operating press for the continuous manufacture of wood material boards having a textured surface on at least one side includes: an upper frame part and a lower frame part; two endless steel belts configured to draw a mat of material through the continuously operating press and to transfer press pressure, each steel belt associated with one of the upper frame part and the lower frame part; an endless metal mesh belt associated with a corresponding one of the steel belts; an insulating tunnel associated with the metal mesh belt and the corresponding steel belt; and a heating tunnel associated with the metal mesh belt and separated from the corresponding steel belt. The metal mesh belt includes a material having a thermal conductivity substantially higher than that of the corresponding steel belt and having a thermal expansion coefficient approximately equal to that of the corresponding steel belt.